

# Notice of Allowability

Application No.

10/065,239

Examiner

Christina Johnson

Applicant(s)

TISSLER ET AL.

Art Unit

1725

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers filed 10/7/04 and the telephone interview of 12/15/04.
2. ☒ The allowed claim(s) is/are 1-3, 5, 7-11, 18-21 and 40-60.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 121504.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Tracy Druce on December 15, 2004.

The application has been amended as follows:

Claim 41 (Amended) A porous material for catalytic conversion of exhaust gas, said porous material comprising: a coating layer including a carrier with a first porous structure enclosing an oxidation catalyst (OX) comprising iron (Fe) and silver (Ag) which in the presence of oxygen and according to a first reaction has the ability to catalyze oxidation of nitrogen monoxide into nitrogen dioxide and, according to a second reaction, to catalyze oxidation of a reducing agent (HC), said porous material further comprising: a carrier with a second porous structure provided in the same coating layer as the first porous structure, the second porous structure having located therein a reduction catalyst (RED) that in the presence of the reducing agent (HC) is able to selectively catalyze reduction of nitrogen dioxide into nitrogen, the second porous structure having dimensions such that the reducing agent (HC) can come into contact with the reduction catalyst (RED) in order to enable a third reaction to take place wherein the reducing agent (HC) participates and is at least partially consumed.


Claim 42 (Amended) A porous material for catalytic conversion of exhaust gases, said porous material comprising: a carrier with a first porous structure comprising a first zeolite enclosing an oxidation catalyst (OX) comprising iron (Fe) and silver (Ag) which in the presence of oxygen and according to a first reaction has the ability to catalyze oxidation of nitrogen monoxide into nitrogen dioxide and, according to a second reaction, to catalyze oxidation of a reducing agent (HC), said porous material further comprising: a carrier with a second porous structure comprising a second zeolite, such that the porous material comprises a physical mixture of the first zeolite and the second zeolite that has located therein a reduction catalyst (RED) that in the presence of the reducing agent (HC) is able to selectively catalyze reduction of nitrogen dioxide into nitrogen, the second porous structure having dimensions such that the reducing agent (HC) can come into contact with the reduction catalyst (RED) in order to enable a third reaction to take place wherein the reducing agent (HC) participates and is at least partially consumed.

2. Claims 1-3, 5, 7-11, 18-21, and 40-60 are allowed.
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christina Johnson whose telephone number is (571) 272-1176. The examiner can normally be reached on Monday-Friday, 7:30-5, with Alternate Fridays off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on (571) 272-1171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Christina Johnson  
Patent Examiner  
Art Unit 1725  
12/15/04

CAJ  
December 15, 2004